Welcome to the
Physics and Applied Physics Open House
Yale
Yale Physics and Applied Physics Open House

Thursday, February 24th

11:00 - 11:50 am  Graduate Program Overview
12:00 - 1:45 pm  Research Program Overview
2:00 - 2:30 pm  Student Groups and Resources
2:30 - 3:00 pm  Q&A with Graduate Students

Friday, February 25th

11:00-12:00 pm  Research Areas I
12:00-1:00 pm  Research Areas II
1:00-2:00 pm  Research Areas III

check website for specific research areas and zoom links

Yale Open House Discord Server is open throughout the program
How to learn more about Yale Physics?

Chat box in this Zoom: Leave questions in chat box.

Recordings and slides: Will be posted on website after Open House

Individual zoom/skype/phone meetings with faculty: Please contact them directly

Graduate student social rooms: Talk to our current students in Discord

Student voices videos: https://physics.yale.edu/academics/graduate-studies/prospective/media

Web site: https://physics.yale.edu
Yale Campus Visit & In-Person Open House
March 11, 2022

Campus tour, research lab tours, meet with faculty and graduate students, poster session

If you would like to visit in-person, but have yet to register, please email stacey.watts@yale.edu.

Travel must be booked by March 7th, 2022

Yale Physics covers up to $500 in travel expenses
Yale Physics Graduate Program

https://physics.yale.edu
Yale Physics Graduate Program Team

Prof. Karsten Heeger
Chair, Department of Physics
Director Wright Laboratory

Prof. Bonnie Fleming
Director of Graduate Studies

Dr. Rona Ramos
Graduate Program Coordinator
Lecturer

Stacey Watts
Graduate Registrar
Research Areas

broad research portfolio in experiment and theory

new science initiatives on campus
- quantum science
- data science
- instrumentation

https://physics.yale.edu/research
Yale Physics in Research Centers & Institutes

Wright Laboratory

YQC Yale Quantum Institute

Systems Biology Institute

YCAA Yale Center for Astronomy and Astrophysics

PEB Yale’s Integrated Graduate Program in Physical and Engineering Biology

ESI Energy Science Institute

Quantitative Biology Institute [QBio]

close coordination with Applied Physics Department
State-of-the Art Facilities

https://wlab.yale.edu
Yale Physics Graduate Program

People

faculty (primary)  35
faculty (secondary)  24
grad students (physics only)  132

Median time to graduation  6.2 yrs

Diverse interests/
interdisciplinary opportunities

applied physics
astronomy/astrophysics
biological physics/systems biology
materials science

Recent Alumni

https://physics.yale.edu/people/alumni
Diversity, Equity, and Inclusion

Statement of Principles

**Respect**
We continually strive to make our department a place that respects people with diverse backgrounds and values each others’ creativity.

**Well-being**
We commit to actively engage in creating a supportive and safe environment. Criticism and praise are professional and constructive.

**Integrity**
We carry out our work with honesty and with the highest standards. We shall not commit scientific or academic misconduct, defined as plagiarism, fabrication, or falsification.

**Community**
Our community actively includes all, enhancing collaboration and promoting our common mission to advance the frontiers of knowledge.

https://physics.yale.edu/statement-principles

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https://physics.yale.edu/diversity-equity-and-inclusion
Academic Life and Campus Resources

Physics Colloquia and Seminars

Department of Physics

Graduate Student Leadership

Student organizations
Graduate Student Advisory Committee (GSAC)
Graduate Student Assembly (GSA)

Regular meetings with department leadership
Yale Campus Resources

Yale GRADUATE SCHOOL OF ARTS AND SCIENCES

Resources for Students

Financial Aid & Scholarships
Advising & Mentoring
Teaching Support & Development
Writing & Communication Skills
Career Support & Development
Conduct, Professional Ethics & Reporting
Misconduct
Exchange Programs
Student Life & Community
LGBTQ+ Students & Community
Health & Wellness
Student Governance
Student Organizations
Housing & Life in New Haven

RESOURCES FOR STUDENTS

Resources for Students

At Yale, you will find an extraordinary range of resources to fuel your intellectual and academic passions, and the community and support to help sustain you as you work toward your academic goals. Libraries and labs, working groups, funding sources, mentors and advisors, health and wellness resources, and more - you will weave all of these together in ways that best fit your own needs and interests during your time as a student here.

The biggest challenge? Because Yale is a large and complex organization, many of our resources are hidden in plain sight. It may take some work and initiative to find exactly what you are looking for, but if it is here, it is here and you will find it.

Below are a few resources other graduate students have found useful. We provide this as a guide, but it is far from comprehensive. Yale is constantly evolving, and every student who comes here is different. You will follow your own unique path, one that takes you where you want to go. Let's get you started.

Financial Aid & Scholarships

fellowships, stipends, conference travel funding, funding for working groups and sympoisa, and more. The Office of Financial Aid can answer many of your questions about funding and finances.

DONT GET DISCOURAGED!
Still cant find what you're looking for? Be sure to ask people in your program, both students and staff. The Director of Graduate Studies or program registrar has worked with many graduate students and can help you find what you need. And please feel free to contact a member of our staff.

https://gsas.yale.edu/

https://gsas.yale.edu/diversity

Yale GRADUATE SCHOOL OF ARTS AND SCIENCES

Diversity

Office of Graduate Student Development & Diversity

For Current Students

For Prospective Students

Office for Graduate Student Development & Diversity

https://gsas.yale.edu/
Student Groups

APS-IDEA and the Climate and Diversity Committee

Yale Physics Professional Development Organization

Women in Physics (+Allies)

QuArk

Yale Physics
Outreach Opportunities

https://physics.yale.edu/outreach-events
Graduate Program

- **Coursework**
  - Must take 6 core courses plus one elective and a Special Investigation (research) course. Can pass out of core courses and take electives in their place.

- **Teaching**
  - Typically, ~ 10hrs/week of teaching for first 2 years. (Learn to teach, deepen your knowledge of Physics!)

- **Qualifying Events**
  - Four 4-question tests, taken by all students at the beginning of their second year just before fall semester. Serves as a learning milestone. For core courses not yet taken, serves as a “pre-test” learning milestone.
  - Research presentation in conjunction with Special Investigations (research) course

[https://physics.yale.edu/academics/graduate-studies](https://physics.yale.edu/academics/graduate-studies)
Graduate Program

- **Research**
  - Typically start in first year, full-time in summers and when courses are complete
  - By mutual arrangement, you can start summer before you start graduate school (early start - contact Stacey for applications)
  - Research courses: Phys 515 seminar introduction to departmental research and research practices, Phys 990 “Special Investigations” with a research group
  - Find positions in research groups through discussions with faculty, combination of your interests and fit/space with the group

- **Flexibility in program**
  - Many ways to personalize your course of study and research
  - Admission to Yale does not bind you to a specific program
  - Many Physics students work with faculty in other departments

[https://physics.yale.edu/academics/graduate-studies](https://physics.yale.edu/academics/graduate-studies)
2021-2022 Honors and Awards

Hannah Bossi, Sheridan Green, Samantha Pagan, Grant Schumacher, Arina Telles
2021 National Science Foundation Fellows

Iris Ponce
Graduate Diversity Fellow

Emma Castiglia & Luna Zagorac
Leigh Page Award for Excellence in Graduate Student Teaching

Emily Kuhn
NASA Postdoctoral Program Fellow
Recent Graduate Student Alumni

Shany Danieli
2021 Cecilia Payne-Gaposchkin Doctoral Dissertation Award in Astrophysics

Brooke Russell
2021 L’Oreal Women in Science Awardee

Charles Brown
Quantum Creators Prize, U Chicago & Soon to be Yale Faculty Member

https://physics.yale.edu/people/alumni
Come and join us!